

RAW SEQUENCE LISTING
PATENT APPLICATION US/08/599,226DATE: 03/20/96
TIME: 17:36:41

INPUT SET: S9377.raw

#2

This Raw Listing contains the General
Information Section and up to the first 5 pages.

SEQUENCE LISTING

ENTERED

(1) General Information:

- (i) APPLICANTS: Salfeld, Jochen G.
Allen, Deborah J.
Hoogenboom, Hendricus R.J.M.
Kaymakcalan, Zehra
Labkovsky, Boris
Mankovich, John A.
McGuinness, Brian T.
Roberts, Andrew J.
Sakorafas, Paul
Schoenhaut, David
Vaughan, Tristan J.
White, Michael
Wilton, Andrew J.

(ii) TITLE OF INVENTION: Human Antibodies that Bind Human TNFa

(iii) NUMBER OF SEQUENCES: 37

(iv) CORRESPONDENCE ADDRESS:

- (A) ADDRESSEE: LAHIVE & COCKFIELD
(B) STREET: 60 State Street, suite 510
(C) CITY: Boston
(D) STATE: Massachusetts
(E) COUNTRY: USA
(F) ZIP: 02109-1875

(v) COMPUTER READABLE FORM:

- (A) MEDIUM TYPE: Floppy disk
(B) COMPUTER: IBM PC compatible
(C) OPERATING SYSTEM: PC-DOS/MS-DOS
(D) SOFTWARE: PatentIn Release #1.0, Version #1.25

(vi) CURRENT APPLICATION DATA:

- (A) APPLICATION NUMBER: US
(B) FILING DATE: 08-FEB-1996
(C) CLASSIFICATION:

(viii) ATTORNEY/AGENT INFORMATION:

- (A) NAME: DeConti, Giulio A., Jr.
(B) REGISTRATION NUMBER: 31,503
(C) REFERENCE/DOCKET NUMBER: BBI-043

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47 (ix) TELECOMMUNICATION INFORMATION:
48 (A) TELEPHONE: (617) 227-7400
49 (B) TELEFAX: (617) 227-5941
50
51

52 (2) INFORMATION FOR SEQ ID NO:1:
53

54 (i) SEQUENCE CHARACTERISTICS:
55 (A) LENGTH: 107 amino acids
56 (B) TYPE: amino acid
57 (D) TOPOLOGY: linear
58

59 (ii) MOLECULE TYPE: peptide
60

61 (v) FRAGMENT TYPE: internal
62

63 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:
64

65 Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
66 1 5 10 15
67

68 Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Arg Asn Tyr
69 20 25 30
70

71 Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
72 35 40 45
73

74 Tyr Ala Ala Ser Thr Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly
75 50 55 60
76

77 Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
78 65 70 75 80
79

80 Glu Asp Val Ala Thr Tyr Tyr Cys Gln Arg Tyr Asn Arg Ala Pro Tyr
81 85 90 95
82

83 Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys
84 100 105
85
86

87 (2) INFORMATION FOR SEQ ID NO:2:
88

89 (i) SEQUENCE CHARACTERISTICS:
90 (A) LENGTH: 121 amino acids
91 (B) TYPE: amino acid
92 (D) TOPOLOGY: linear
93

94 (ii) MOLECULE TYPE: peptide
95

96 (v) FRAGMENT TYPE: internal
97

98 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:
99

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100 Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Arg
101 1 5 10 15
102
103 Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asp Asp Tyr
104 20 25 30
105
106 Ala Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
107 35 40 45
108
109 Ser Ala Ile Thr Trp Asn Ser Gly His Ile Asp Tyr Ala Asp Ser Val
110 50 55 60
111
112 Glu Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr
113 65 70 75 80
114
115 Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
116 85 90 95
117
118 Ala Lys Val Ser Tyr Leu Ser Thr Ala Ser Ser Leu Asp Tyr Trp Gly
119 100 105 110
120
121 Gln Gly Thr Leu Val Thr Val Ser Ser
122 115 120
123
124

(2) INFORMATION FOR SEQ ID NO:3:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 9 amino acids
- (B) TYPE: amino acid
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(v) FRAGMENT TYPE: internal

(ix) FEATURE:

- (A) NAME/KEY: Modified-site
- (B) LOCATION: 9
- (D) OTHER INFORMATION: /note= "Xaa is Thr or Ala"

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:

Gln Arg Tyr Asn Arg Ala Pro Tyr Xaa
1 5

(2) INFORMATION FOR SEQ ID NO:4:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 12 amino acids
- (B) TYPE: amino acid
- (D) TOPOLOGY: linear

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153
154 (ii) MOLECULE TYPE: peptide
155
156 (v) FRAGMENT TYPE: internal
157
158 (ix) FEATURE:
159 (A) NAME/KEY: Modified-site
160 (B) LOCATION: 12
161 (D) OTHER INFORMATION: /note= "Xaa is Tyr or Asn"
162
163 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:
164
165 Val Ser Tyr Leu Ser Thr Ala Ser Ser Leu Asp Xaa
166 1 5 10
167
168
169 (2) INFORMATION FOR SEQ ID NO:5:
170
171 (i) SEQUENCE CHARACTERISTICS:
172 (A) LENGTH: 7 amino acids
173 (B) TYPE: amino acid
174 (D) TOPOLOGY: linear
175
176 (ii) MOLECULE TYPE: peptide
177
178 (v) FRAGMENT TYPE: internal
179
180 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:
181
182 Ala Ala Ser Thr Leu Gln Ser
183 1 5
184
185
186 (2) INFORMATION FOR SEQ ID NO:6:
187
188 (i) SEQUENCE CHARACTERISTICS:
189 (A) LENGTH: 17 amino acids
190 (B) TYPE: amino acid
191 (D) TOPOLOGY: linear
192
193 (ii) MOLECULE TYPE: peptide
194
195 (v) FRAGMENT TYPE: internal
196
197 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:
198
199 Ala Ile Thr Trp Asn Ser Gly His Ile Asp Tyr Ala Asp Ser Val Glu
200 1 5 10 15
201
202 Gly
203
204
205

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206 (2) INFORMATION FOR SEQ ID NO:7:

207

208 (i) SEQUENCE CHARACTERISTICS:

209 (A) LENGTH: 11 amino acids

210 (B) TYPE: amino acid

211 (D) TOPOLOGY: linear

212

213 (ii) MOLECULE TYPE: peptide

214

215 (v) FRAGMENT TYPE: internal

216

217 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:

218

219 Arg Ala Ser Gln Gly Ile Arg Asn Tyr Leu Ala

220 1 5 10

221

222

223 (2) INFORMATION FOR SEQ ID NO:8:

224

225 (i) SEQUENCE CHARACTERISTICS:

226 (A) LENGTH: 5 amino acids

227 (B) TYPE: amino acid

228 (D) TOPOLOGY: linear

229

230 (ii) MOLECULE TYPE: peptide

231

232 (v) FRAGMENT TYPE: internal

233

234 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:

235

236 Asp Tyr Ala Met His

237 1 5

238

239

240 (2) INFORMATION FOR SEQ ID NO:9:

241

242 (i) SEQUENCE CHARACTERISTICS:

243 (A) LENGTH: 107 amino acids

244 (B) TYPE: amino acid

245 (D) TOPOLOGY: linear

246

247 (ii) MOLECULE TYPE: peptide

248

249 (v) FRAGMENT TYPE: internal

250

251 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:

252

253 Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Ile Gly

254 1 5 10 15

255

256 Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Arg Asn Tyr

257 20 25 30

258

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SEQUENCE VERIFICATION REPORT
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DATE: 03/20/96
TIME: 17:37:24

INPUT SET: S9377.raw

Line	Error	Original Text
16	Response Exceeds Line Limitations	White, Michael
17	Response Exceeds Line Limitations	Wilton, Andrew J.
38	Wrong application Serial Number	(A) APPLICATION NUMBER: US